

Fig. 1

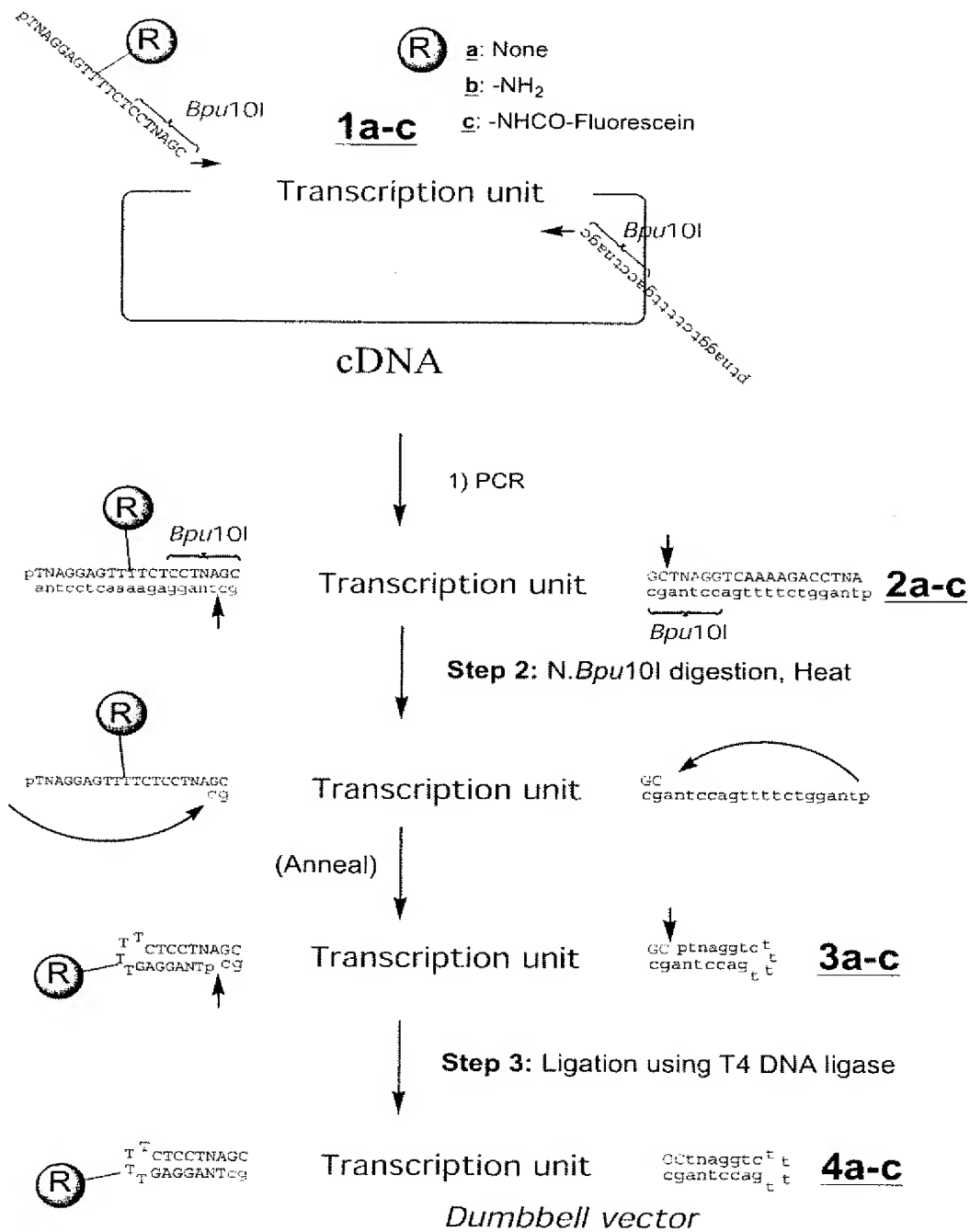


Fig. 2

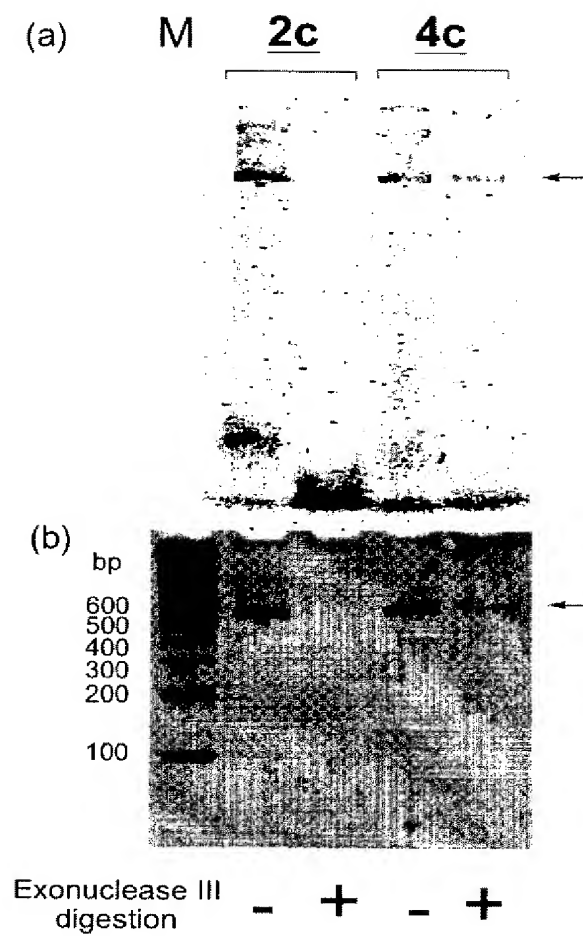


Fig. 3

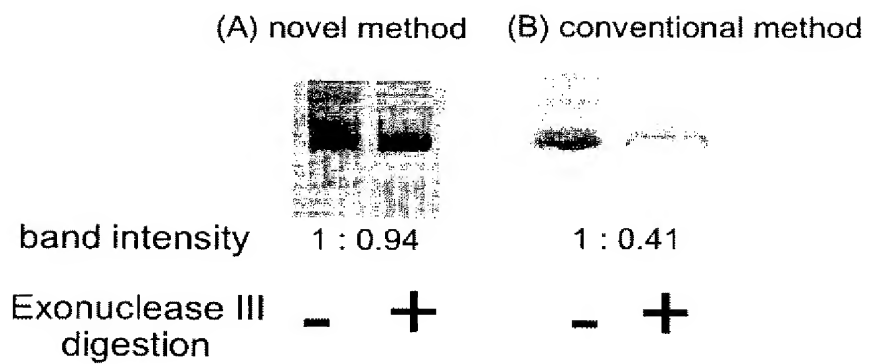


Fig. 4

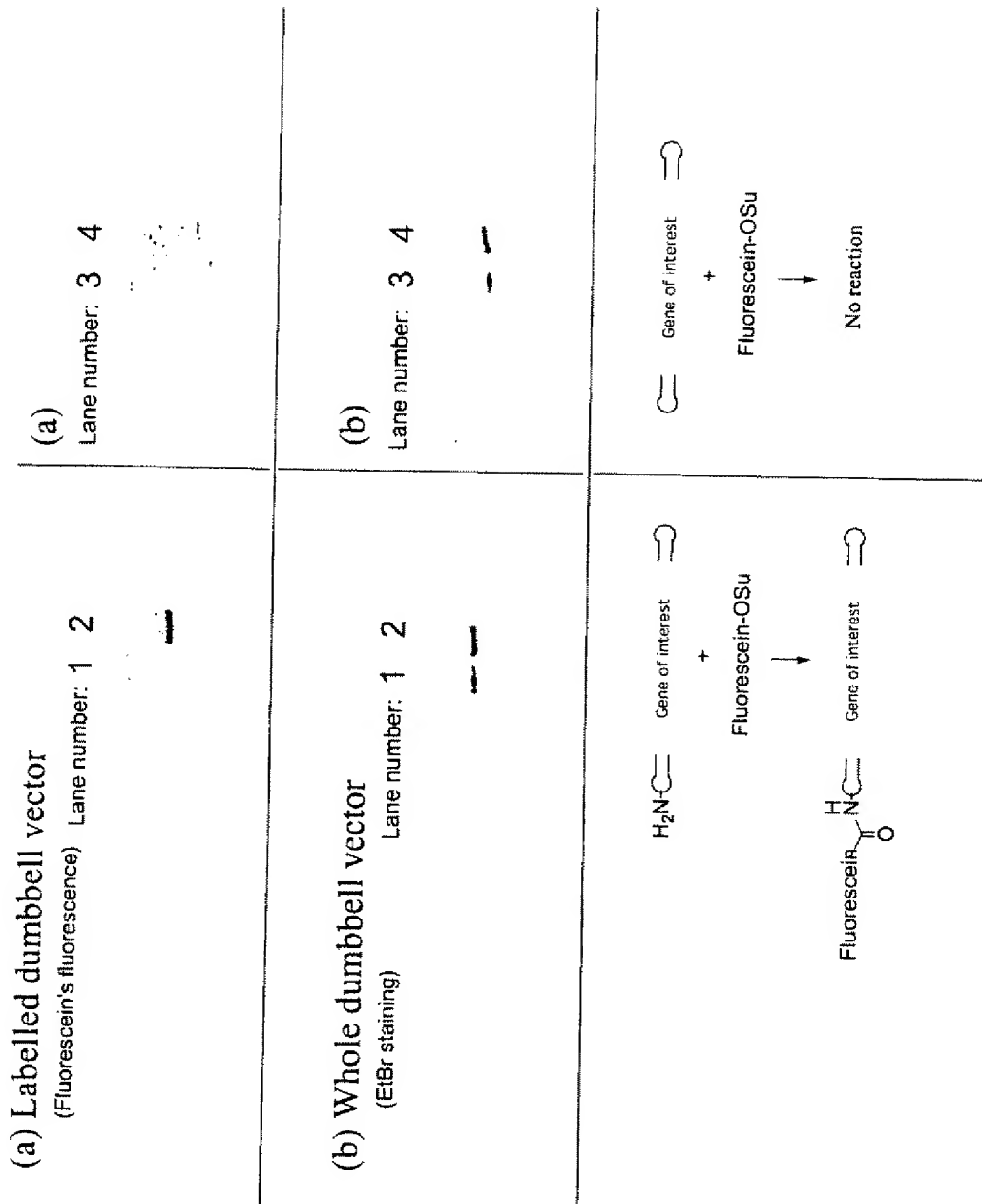
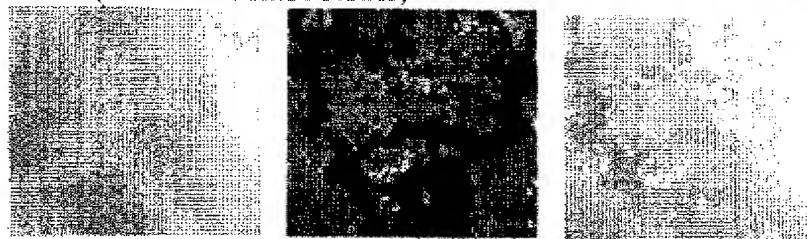


Fig. 5

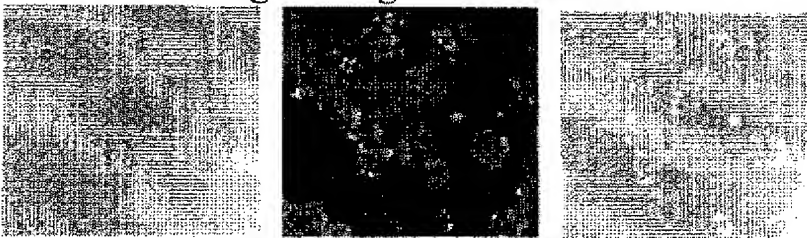
A: plasmid vector targetted against EGFP



B: no vector (mock transfection)



C: dumbbell vector targetted against lamin



D: dumbbell vector targetted against EGFP



E: linear vector targetted against EGFP



phase contrast

GFP

superposed

Fig. 6

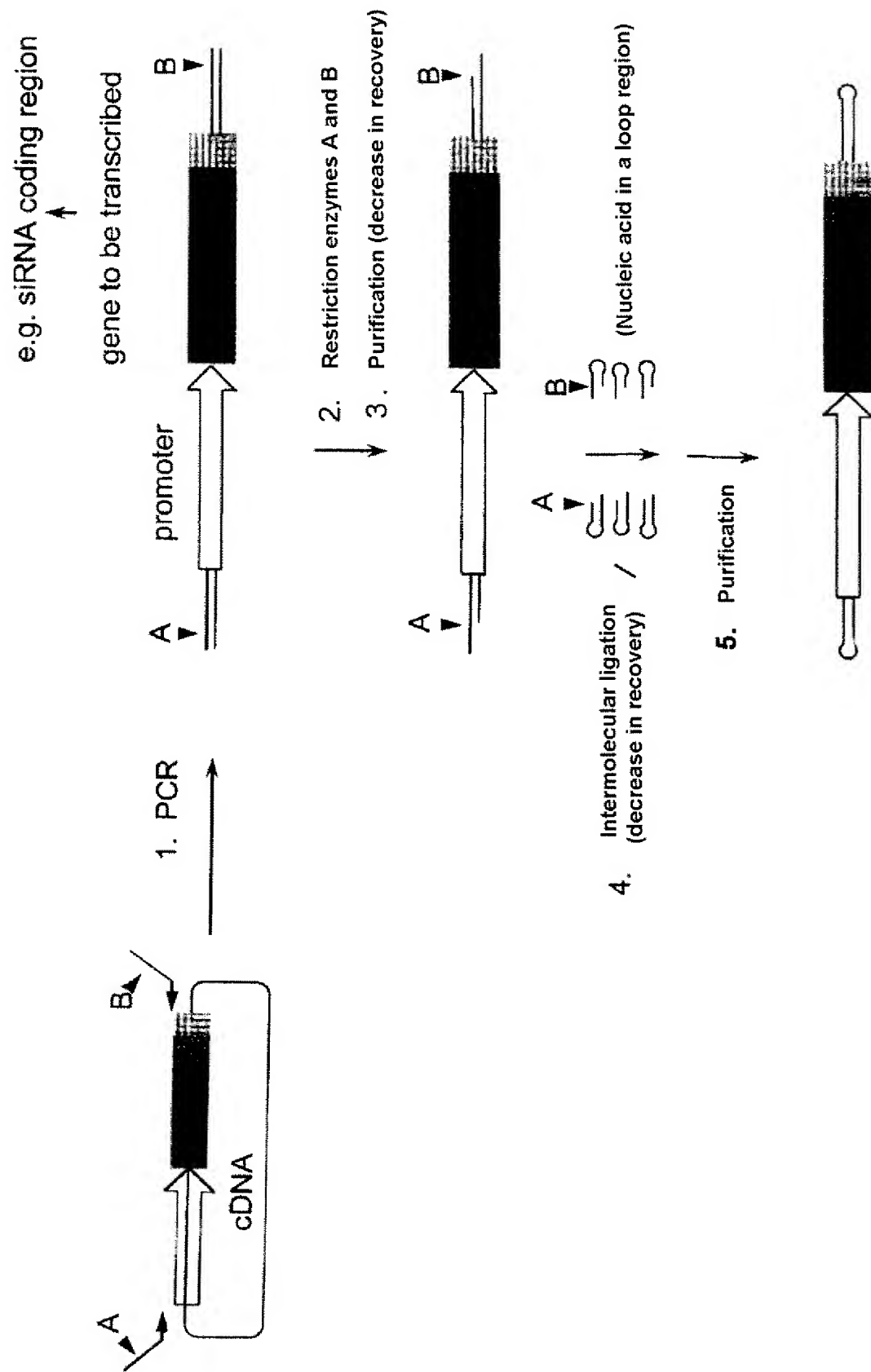


Fig. 7

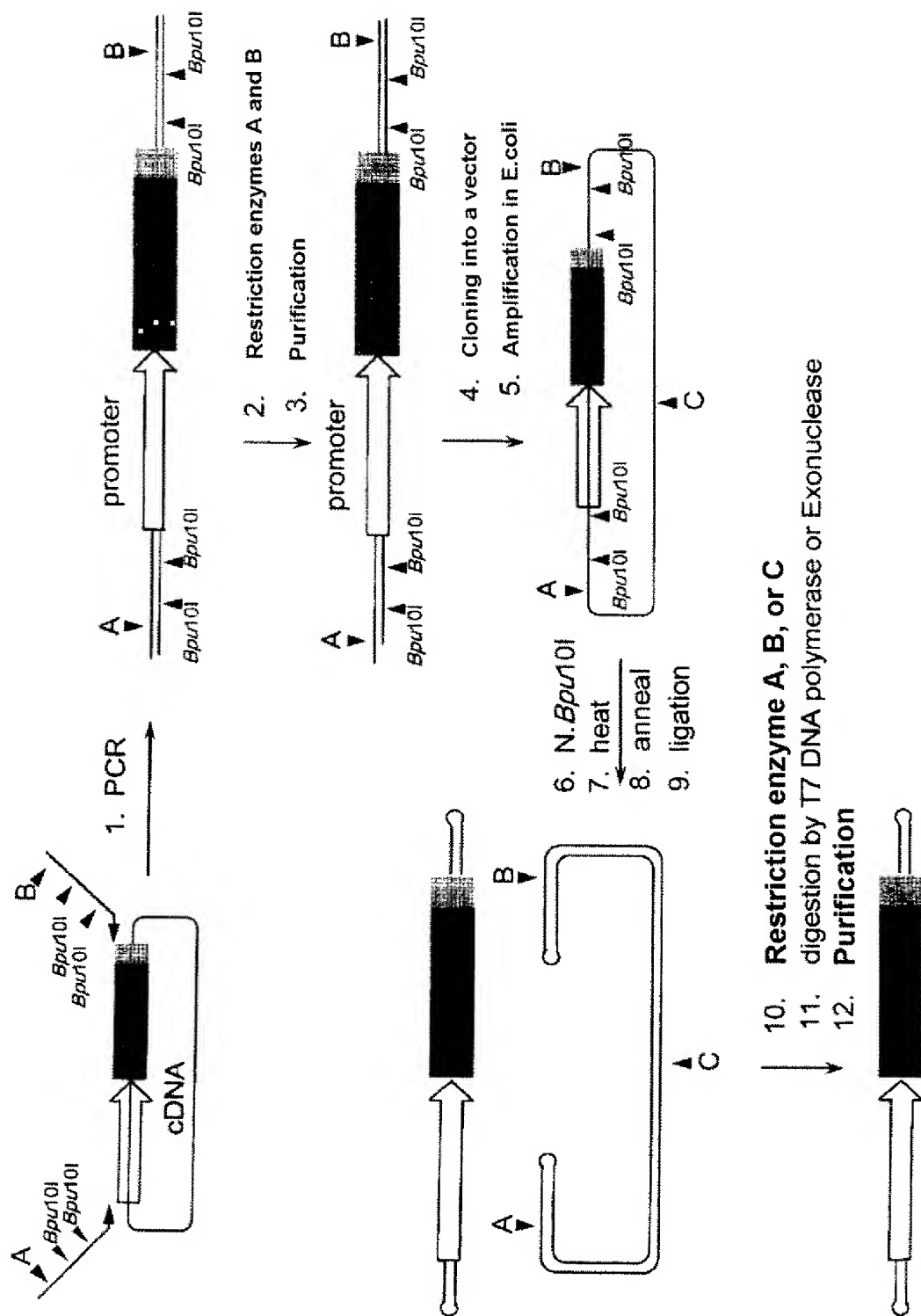
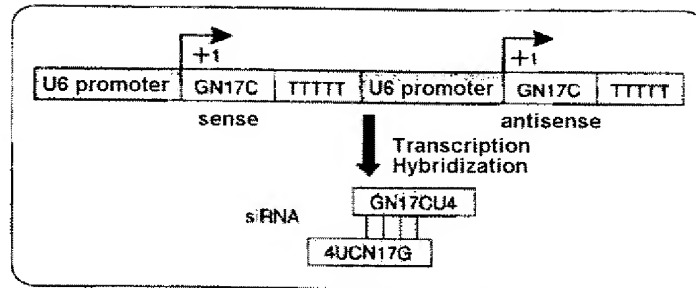


Fig. 8

a) Tandem- type



b) Stem loop-type

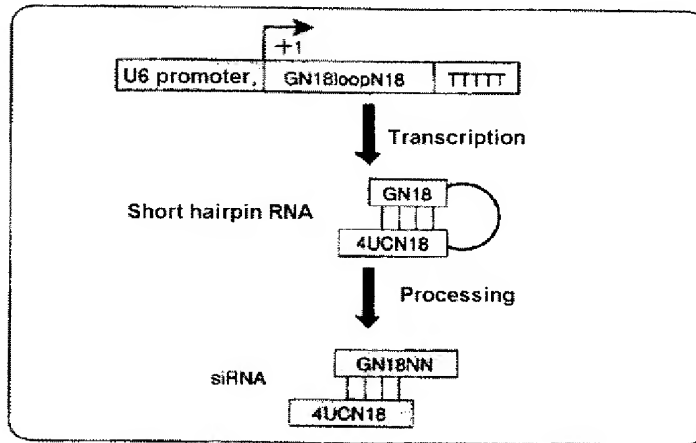
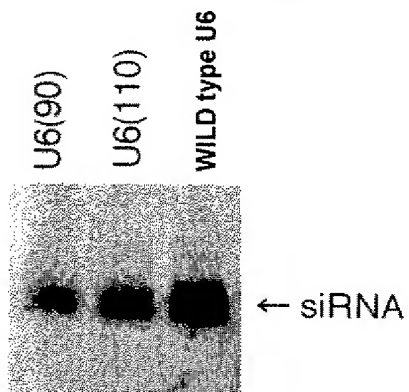
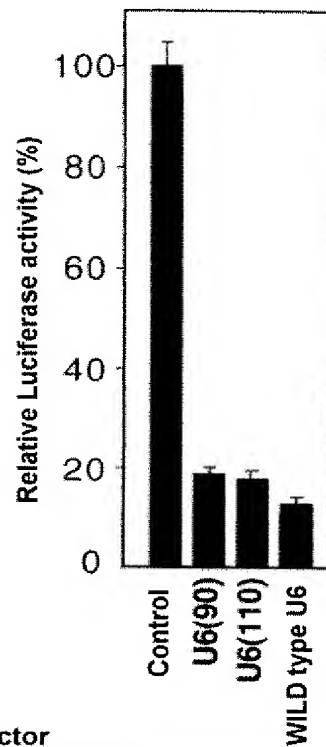


Fig. 9

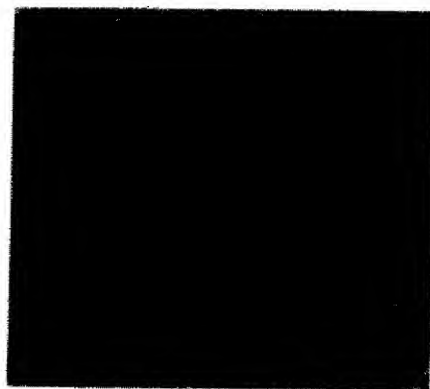
(a) Efficiency of siRNA expression
by a minimized promoter



(b) Suppression of gene expression
by a minimized promoter



(c) Cell nucleus permeability of a minimized vector



U6 (90) promoter

Wild type U6 promoter